X-C1™ Development Kit Plus

The APM X-C1 is a low-cost EVK prototype development and evaluation board with an Applied Micro APM883208 SoC, providing all the industry standard interfaces required by a server or embedded developer, in a compact and low-power platform. X-C1 is based on the APM883208 SoC, the industries first ARM64 SoC with 8 ARM-V8 APM superscalar cores running up to 2.4GHz, and 2 DDR3 memory channels, with 2x8GB DDR3 UDIMM prepopulated. To provide developers with an complete server or embedded platform environment, interfaces on the board include 1GbE, 10GbE, SATA Gen3, PCIe Gen3, USB, SDIO, as well as industry standard debug interfaces. The board is installed in a Mini-ITX desktop chassis with power supply and 500GB SATA drive. Current Operating System offerings include Applied Micro Linux (preloaded), Ubuntu, Fedora, and OpenSuse, with additional OS offerings in development. Additional information on X-C1, software and application support is available at myxgene.apm.com.